

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-018121

(43)Date of publication of application : 20.01.1995

(51)Int.Cl. C08L 21/00
C08K 5/11
C08K 7/02

(21)Application number : 05-162828

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(22)Date of filing : 30.06.1993

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(54) SHORT FIBER-REINFORCED RUBBER COMPOSITION**(57)Abstract:**

PURPOSE: To obtain a rubber composition having improved physical properties such as workability and elastic modulus and useful for gum chafer, etc., by compounding a specific rubber component with short fibers and an unsaturated fatty acid containing conjugated dienoic acid in the molecule.

CONSTITUTION: This rubber composition is produced by compounding (A) 100 pts.wt. of a rubber component composed of at least one kind of natural rubber or diene-type synthetic rubber with (B) 2.5 pts.wt. of short fibers and (C) 0.1-10 pts.wt. of an unsaturated fatty acid having two or more C-C double bonds in the molecule and containing 10wt.% (preferable 25wt.%) of conjugated dienoic acid having one or more sets of conjugated double bonds in the molecule. The short fiber used as the component B is preferably composed of a thermoplastic polyamide and has an L/D ratio of 8 and D of 1 μ m (L is average length and D is average diameter of the fiber).

LEGAL STATUS

[Date of request for examination] 29.05.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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